

Certificate

Registration No.: PV 60022106

Page 1

Report No.: 21207972

License Holder:

**Worldwide Energy and
Manufacturing USA, Inc.**
1142 Cherry Ave, San Bruno
CA94066
USA

Product:

PV Modules
Type: AS-5M-160W; AS-5M-165W;
AS-5M-170W; AS-5M-175W;
AS-5M-180W; AS-5M-185W.

Manufacturing Plant:

0001 – 21135352 000

Basis:

- IEC 61730-1:2004
IEC 61730-2:2004
EN 61730-1:2007
EN 61730-2:2007
"Photovoltaic (PV) module safety
qualification"

- Factory Inspection**
To document the consistent quality of
the product factory inspections are
performed periodically.



- Qualified, IEC 61215
- Safety tested,
IEC 61730
- Periodic Inspection

Remarks:

- IEC EN 61730 consists of part 1 (Requirements for construction) and part 2 (Requirements for testing).
- The above listed PV modules fulfil the requirements of Application Class A (Safety Class II). They may be used in PV plants at a maximum system voltage (Voc at STC) of up to **1000 VDC**.
- The fire test (IEC 61730-2 / MST 23) was not performed.

Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate is valid until 11 March 2013.



Cologne, 21 July 2008

Dipl.-Ing. M. Adrian